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A. C. HOFFMAN

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LIPSTICK CONTAINER

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Fig. 2.

Fig. 1.

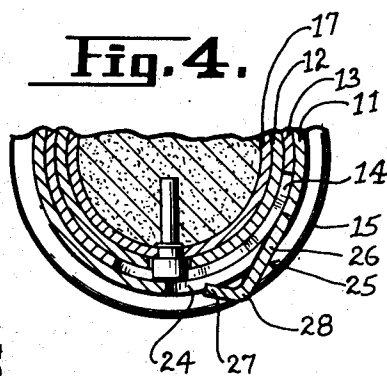
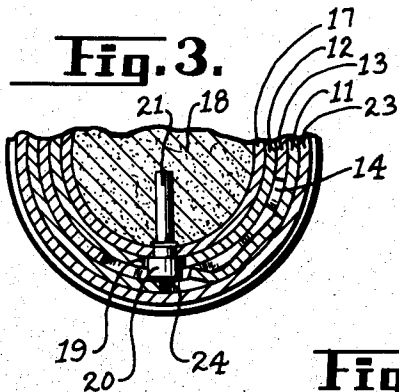
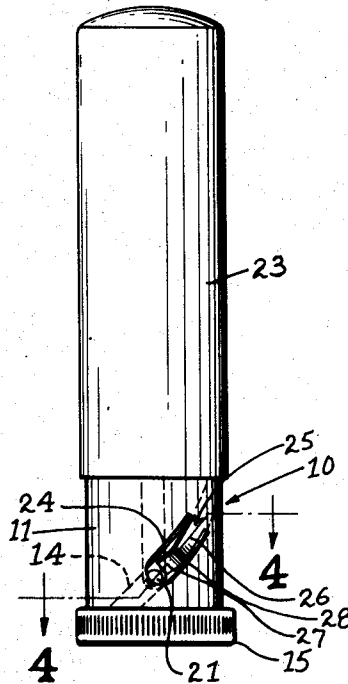
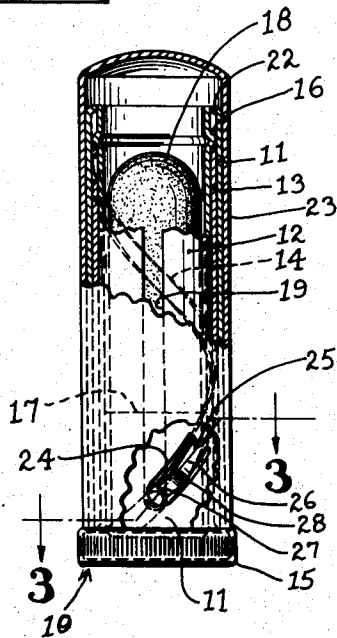
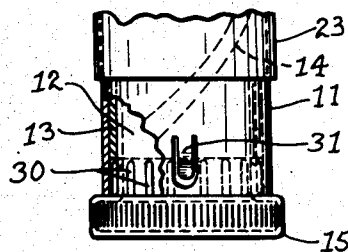


Fig. 5.



INVENTOR
Allan C. Hoffman
BY
H. F. Johnston
ATTORNEY

UNITED STATES PATENT OFFICE

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LIPSTICK CONTAINER

Allan C. Hoffman, Milldale, Conn., assignor to
Scovill Manufacturing Company, Waterbury,
Conn., a corporation of Connecticut

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12 Claims. (Cl. 204-54)

This invention relates to certain new and useful improvements in containers for lipsticks, eyebrow pencils, and similar holders for soft pasty cosmetics, and particularly to a type of container in which the cosmetic stick is supported in a carrier which is moved from an enclosed casing to expose the stick for use and then withdrawn into the casing and covered by a cap member. This type of dispenser is operated by rotating an end head or knob, and is generally known as a swivel-type lipstick container.

One of the objectionable features of the above type of lipstick container is that frequently when packed for shipment, or carried around in a hand bag, or idly manipulated the members composing the container are liable to be accidentally rotated in relation to each other with the result that the cosmetic is forced into contact with the inside of the cap disfiguring and soiling the working parts and deforming the shaped end of the cosmetic to the annoyance of the user and to the prejudice of the market.

It is, therefore, the main object of this invention to provide a cheap and simple means by which the unintentional movement of the cosmetic stick in its casing is effectually prevented. To this end a cosmetic container of the above nature, which may be a stock article, is formed with a locking element which is actuated by the cover when in an assembled position to prevent the elevation of the cosmetic container regardless of any rough usage to which the closed article is subjected.

The invention includes a tongue or lug member formed out of the body casing adjacent its lower end and adapted to be sprung inwardly into the pathway of one of the rotating members within the container, and with reference particularly to the preferred form, in the pathway of the helical groove through which the elevating pin rises upon the rotation of the operating head. The lug is forced inwardly upon the assembly of the container cover and by its respective interlocking action prevents such relative turning of any of the parts of the container as would cause the cosmetic stick to elevate and jam into the cover.

With these and other objects in view the invention presents a very simple structural form as will be more fully disclosed in connection with the accompanying drawing and set forth in the annexed claims.

Fig. 1 is a front elevation of a lipstick container with parts in section and parts broken away to better show the interior construction and showing the parts in their normal assembled and locked position.

Fig. 2 is a full elevational view of a lipstick container with the cover in a partly removed position

showing the locking element in full view and in unlocked position.

Fig. 3 is a fragmentary sectional view taken along the line of 3-3 of Fig. 1 showing the locking element in a locked state.

Fig. 4 is a similar view but taken along the line of 4-4 of Fig. 2 showing the locking element in an unlocked position.

Fig. 5 is a fragmentary view of the lower end of a container partly in section of a modified form of the invention.

Referring now to the drawing in which like numerals refer to corresponding parts throughout the several views:

The numeral 10 refers generally to a dispensing container comprising an outside tubular casing 11 and an inside shell 12 rotatably mounted therewithin. Disposed between the casing 11 and the shell 12 and adapted to be retained and carried by the outside casing 11 is a sleeve member 13 having a helical groove or slot 14 extending from end to end thereof.

The base or lower end of the inside shell 12 is provided with an integral head 15 of a diameter slightly larger than the outside diameter of the casing 11. The head 15 is preferably provided with a knurled surface as shown in Figs. 1 and 2 to assist in manipulating the same; but it is to be understood that the head 15 might be made as well of polygonal or any other shape for this purpose within the scope of the invention. The upper end of the inside shell 12 is formed with an outwardly projecting annular rib 16 which is adapted to overlie the upper adjacent edge of sleeve member 13 to retain the same therewithin against axial movement.

Mounted to slide within the inside shell 12 is a cosmetic stick carrier in the form of a cup 17 in which is held a cosmetic stick indicated by the numeral 18. The inside shell 12 is formed with a longitudinal slot 19 extending substantially the entire length of the shell and within which is adapted to slidably engage the head 20 of a pin 21 secured to the cup 17 as best shown in Figs. 3 and 4. The pin 21 customarily projects a substantial distance within the cup to be embedded within the material of the cosmetic stick as a better means for holding the stick 18 within the cup 17. The head 20 of the pin 21 is adapted to project beyond the slot 19 a distance sufficient to engage within the helical slot of the sleeve 13 previously mentioned. From this construction it will be evident that the mere rotation of the inside shell 12 relative to the outside casing 11 through the manual operation of the head 15 will positively project and retract the cosmetic stick 18 carried by the cup 17.

The forward end of the outside casing 11 is rounded inwardly as at 22 to provide for a smooth surface surrounding the opening in the end of 60

the container through which the stick 18 must protrude in use. The container 10, when the cosmetic is withdrawn and not in use, is adapted to be closed by a telescoping closure cap 23 designed to slip over substantially the entire length of the container 10. Up to this point the construction is old and well known in the art of swivel-type lipstick containers and forms no part of the present invention except as such parts are used in cooperation with the interlocking feature hereinafter disclosed.

Now, in accordance with this invention there is provided a very practical and novel means whereby the inside shell 12 and complementary operating head 15 are interlocked against rotation within the outside casing 11 upon the mere assembling of the cap 23 upon the container 10, thus preventing accidental longitudinal movement of the stick carrying cup 17. To this end there is provided in the outside casing 11, adjacent its lower end, a cutout longitudinal slot 24 angularly positioned so as to permit said slot to be disposed in substantial coincidence with the angular inclination of the helical groove 14 of the sleeve member 13 there underneath. A tongue or lug member generally indicated by the numeral 25 is provided being preferably formed out of a part of the metal stock that was pierced out to create the slot 24 and being integrally connected to the shell 11 at the upper short edge of said slot 24. The tongue is proportioned to extend substantially the entire length of the slot 24 and in spaced relation to the longitudinal adjacent edges thereof.

When the parts are assembled in proper relationship the slot 25 as mentioned above must be positioned to coincide with the helical groove 14 of the sleeve member 13 so as to bring the axis of the tongue 25 into substantially parallel alinement with the axis of said helical groove 14.

In order to give the tongue 25 a resilient cast the longer proximal end 26 of said tongue 25 is biased outwardly from the normal cylindrical surface of the shell 11 and the shorter distal end 27 thereof is given a reverse or inward bend thus producing an intermediate humped portion 28 that will serve in the manner of a cam as will be later described. The humped portion 28 is capacitated to spring and project outwardly beyond the circumferential plane of the outside casing 11 when the cap is removed from the container. When in this position the distal intumed locking end 27 of the tongue is removed from the path of the helical groove 14 permitting the head 20 of the pin 21 to pass unobstructed upwardly therethrough coincident with the manipulation of the operating head 15.

When the cap 23 is being assembled into position the tongue 26 with its humped portion 28 will be forced inwardly by reason of the fact that the advancing edge of the cap easily cams over the upper inclined edge of the proximal end of the tongue 26 and disposes the locking end 27 fully within the helical groove 14. It should be here understood that before the cap 23 is assembled in place the carrier cup should be retracted to its innermost position with the head 20 of the pin 21 located at the lowermost end of the vertical slot 19.

Thus, it will be apparent that any attempt either accidentally or willfully to manipulate the head 15 when the cap 23 is in assembled position will cause the head 20 of the pin 21 to abut against the locking end 27 of the tongue 26 and cause the entire container unit 10 to rotate with-

in the cap member 23, and in no way disturb the retracted position of the carrier cup 17.

The modified form shown in Fig. 5 is quite similar to the preferred form except that the locking tongue does not engage with the head 20 of the carrier cup pin 21, but rather engages with certain irregularities provided upon the inside shell 12. For this purpose the lower end of the inside shell 12 adjacent the operating head 15 is provided with a series of equally spaced vertical projections or ribs 30, the upper end of which may serve as a rest or support for the sleeve member 13. Adjacent the lower end of the tubular casing 11 is a locking tongue member 31 sprung out and constructed generally in like manner to the tongue 25 of the first form except for the fact that it is disposed in a vertical position. One advantageous feature of this modified construction is that it is not necessary to aline and centralize the tongue with the helical groove 14 in the assembly operation.

When the cap 23 is assembled into place the tongue 31 will be sprung inwardly carrying the lower end thereof into the lateral rotating path of the ribs 30 so that the whole unit will be carried about within the cover 23 with no danger of elevating the carrier cup even if the head end 15 should be accidentally twisted. It is also within the purview of this invention to provide slots or piercings in the inside shell 12 in place of the ribs in which the tongue 31 can equally well cooperate to accomplish the same locking function.

Before concluding this specification it is here pointed out that in constructing the preferred form of this locking feature no auxiliary parts have to be added to the device to effect the desired results but a stock lipstick is taken and by merely forming a tongue member out of one of the component shells of the container a very cheap and satisfactory locking device is produced.

While only two forms of this invention have been shown and described, it will be understood that other changes and variations might be made in the specific constructions shown and described without departing from the scope of the invention as defined in the appended claims.

What is claimed is:

1. In a holder of the character disclosed, an outer shell casing, a sleeve means attached in said casing having a spiral guideway, an inner shell having a longitudinal slot rotatable within said sleeve, a carrier cup in said inner shell having a protruding member projecting through said slot into said guideway and adapted to be axially advanced and retracted upon the rotation of said inner shell relative to said sleeve, a closure cap for telescoping over substantially the entire length of said casing, and a tongue element carried by said casing in alinement with said spiral guideway, said tongue element adapted to be sprung inwardly into said guideway upon the assembly of said cap.

2. In a holder of the character disclosed, an outer shell casing, a sleeve means attached in said casing having a spiral guideway, an inner shell having a longitudinal slot rotatable within said sleeve, a carrier cup in said inner shell having a protruding member projecting through said slot into said guideway and adapted to be axially advanced and retracted upon the rotation of said inner shell relative to said sleeve, a closure cap for telescoping over substantially the entire length of said casing, and a tongue element forming an

integral part of and sprung out of the normal surface of said casing in alinement with said spiral guideway, said tongue element adapted to be sprung inwardly into said guideway upon the assembly of said cap.

3. In a holder of the character disclosed, a tubular casing, a sleeve means having a helical guideway carried within the confines of said casing, a tubular interior shell having a longitudinal slot rotatable in said sleeve and having an exposed operating knob, a carrier member having a protruding element for engagement in said guideway through said slot and adapted to be actuated by the manipulation of said operating knob, a closure cap for telescoping over said casing, and a means formed out of the normal cylindrical surface of said casing and adapted to be sprung inwardly into the path of said guideway coincident with the assembly of said cap to prevent the elevating of said protruding element in said guideway.

4. In a holder of the character disclosed, a tubular casing, a sleeve means having a helical guideway carried by said casing, a slotted tubular interior shell rotatable in said sleeve and having an exposed operating knob, a carrier member having a protruding element for engagement in said guideway through the slot of the shell and adapted to be actuated by the manipulation of said operating knob, a lug member formed in the side wall of said casing and designed to be normally sprung out of the cylindrical surface of said casing and disposed in substantial alinement with the inclination of said guideway adjacent the lower end thereof, and a closure cap for telescoping over substantially the entire length of said casing and when assembled thereon capacitated to spring the lug inwardly into the guideway.

5. In a holder of the character disclosed, a tubular casing, a sleeve means having a helical guideway carried within said casing, an inner shell having a longitudinal slot rotatable within said sleeve, said shell formed at one end with an exposed operating knob, a carrier member having a protruding element for engagement in said guideway through said slot and adapted to be actuated by the manipulation of said operating knob, a resilient lug member struck out of the side wall of said casing and disposed in substantially parallel alinement with said guide, said lug member having its attaching end bent slightly out of the outer surface of said casing wall and its free end formed with a reverse bend back toward said wall thus presenting an intermediate humped portion, and a closure cap having a slidable fit upon said casing and adapted when assembled over said casing to cam over the upper inclined edge of said lug consequently forcing the free end of said lug into said guideway.

6. In a holder according to claim 5 wherein said lug is further defined by having its edges spaced from the adjacent edges of the casing for freedom of movement.

7. In a holder of the character disclosed, a tubular casing, a sleeve means having a helical guideway carried in said casing, an inner shell having a longitudinal slot rotatable within said sleeve, said shell formed at one end with an exposed operating knob, a carrier member having a protruding element for engagement in said guideway through said slot and adapted to be actuated by the manipulation of said operating

knob, said casing having a slot pierced through its wall adjacent the lower end thereof, said slot being angularly disposed to assume the same angular direction of said guideway when disposed thereover, a lug member carried by said casing and positioned in the area of said slot, said member being bent to present a cam-like intermediate portion beyond the cylindrical outer surface of said casing, and a closure member for telescopically covering said casing and when assembled capacitated to spring said lug member inwardly and the cam-like portion being so proportioned as to cause the free end of said lug to be disposed in said guideway.

8. In a holder of the character disclosed, an outer cylindrical casing, an inner shell rotatable in said casing, a carrier member, cooperative means in said casing for advancing and retracting said member coincident with the rotation of said shell relative to said casing, a closure cap for telescoping over said casing, and a locking element attached to said casing and normally sprung out of the cylindrical surface of said casing, said element adapted to be sprung inwardly upon the assembly of said cap to interlock with one of the rotative members inside of said casing.

9. In a holder of the character disclosed, an outer tubular casing, an inner shell rotatable in said casing, a carrier member, relative rotative means in said casing for actuating said member, a closure cap for telescoping over said casing, and a means on said casing sprung out of the normal cylindrical surface thereof and adapted to be forced inwardly into interlocking engagement with one of the relative rotative means in said casing upon the assembly of said cap.

10. In a holder of the character disclosed, an outer tubular casing, an inner shell rotatable in said casing, a carrier member, cooperative means in said casing for actuating said member coincident with the rotation of said shell relative to said casing, a closure cap for telescoping over said casing, said shell having a series of interruptions provided in its cylindrical surface, and a lug member on said casing adapted to be sprung into the lateral travelling plane of said interruptions by the assembly of said cap.

11. In a holder of the character disclosed, an outer tubular casing, an inner shell rotatable in said casing, a carrier member, cooperative means in said casing for actuating said member coincident with the rotation of said shell relative to said casing, a closure cap for telescoping over said casing, said shell having a series of equally spaced projections formed at the lower end thereof, and a lug member on said casing adapted to be sprung inwardly between said projections upon the assembly of said cap.

12. In a holder of the character disclosed, an outer tubular casing, an inner shell rotatable in said casing, a carrier member, cooperative means in said casing for actuating said member coincident with the rotation of said shell relative to said casing, a closure cap for telescoping over said casing, said shell having a series of longitudinal raised ribs equally spaced at the lower end thereof, and a lug member assuming a vertical position formed out of the wall of said casing and adapted to be sprung inwardly between said projections upon the assembly of said cap.

ALLAN C. HOFFMAN.